Chester Square Park Green Space Team 5

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DS4200 Fall 2019 — Professor Cody Dunne Northeastern University







OUR RESEARCH PROBLEM

In such a limited space, what is the best, most effective way to utilize the park to improve the neighborhood?





Data and Survey Process



01

02

Draft Sample

Questions were sent to Carol for approval and later fixed with edits

Qualtrics Online Survey

Based on a Marketing Research class, an online survey was created in Qualtrics. Carol distributed the survey link to the Chester Park and Friends of Chester Square Park email list.

In Person Survey

We printed out paper versions of the surveys and distributed to residents and pedestrians in person.



03

Sample Size N = 27

Design Process











Trees/Plants Public art Play area for kids Fountain

Things Added to the Park

installations





Visualization

What Enhancements and Additions Do People Want in Chester Park?



Response Counts for Different Survey Groups



Website Demonstration



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Conclusion

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VK.

📕 🛑 Data Insights



Depending on the person's background, they have different needs.

- Residents
- Pedestrians

Focus on the Current Functionality

02

Instead of implementing all brand new features, focus on the things that already exist in the park, like trees and fountains, and improve these.



The data shows the most frequent responses to our research question to be trees/plants, followed closely by art installations and a play area for kids.



Challenges

STARTED WITH NO DATA, NO APIS

Had to figure out what we wanted to ask, and go out and collect our own data.

LACK OF SURVEY RESPONSES

We did not have much data to work with after first online survey, so we had to go out in person and collect survey data on paper in order to create meaningful, robust visualizations

LEARNING D3 Difficult working in D3 Version 5. Very few examples, especially for the isograph.

Future Improvements

CONNECT SURVEY DEMOGRAPHICS TO RESPONSES

Link gender/age info to responses to draw further conclusions

INDICATE PERCENTAGES ON GROUPED BAR

Different totals for each response type might be misleading

BE CLEAR ON WHAT SURVEY ANSWERS MEAN

(Drinking fountains vs decorative fountains. Plants OR trees.) CREATE VISUALIZATIONS FOR EACH QUESTION WE ASKED **DO MORE DATA**

COLLECTION

More data is always better!

How often do you use the park? How would that change?

THANK YOU

Does anyone have any questions?

Contact us: Sarah Chou: <u>chou.s@husky.neu.edu</u> Megan Lau: <u>lau.me@northeastern.edu</u> Hannah Marrow: <u>marrow.h@husky.neu.edu</u>

https://github.com/Northeastern-DS-4200-F19/project-team-5-green-space

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